Overview
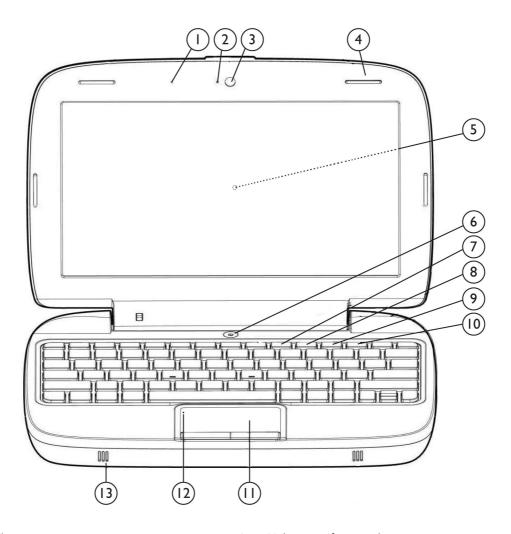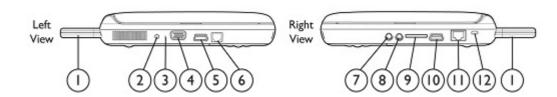

1. Integrated microphone
2. Webcam LED
3. VGA Webcam
4. WLAN antenna
5. Network Light (on the back of the display)
6. Power button with LED indicator
7. Volume down function key

8. Volume up function key
9. Volume mute function key with LED indicator
10. Wireless on/off button with LED indicator
11. Touchpad with scroll zone
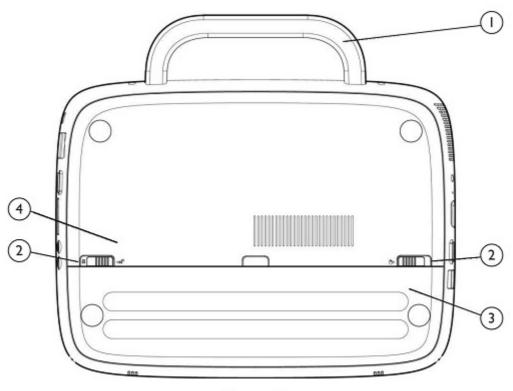12. Touchpad on/off button with LED indicator
13. Speaker

Overview

1. Handle
2. Power connector
3. Battery charging LED indicator
4. VGA/external monitor
5. USB 2.0 port
6. RJ-11/modem

7. Stereo headphone/line out
8. Stereo microphone in
9. Secure Digital (SD)/MMC slot
10. USB 2.0 port
11. RJ-45/ethernet
12. Lock slot

BottomView

1. Handle
2. Battery compartment release latches

3. Battery bay
4. Memory module compartment

At A Glance

- Genuine Windows 7 Starter, Genuine Windows XP Home, SUSE Linux Enterprise 11
- 10.1-inch diagonal LED-backlit WSVGA display (1024 x 600)
- 92% full-size, spill-resistant QWERTY keyboard; touchpad with scroll zone
- Integrated 802.11 b/g/n or a/b/g/n wireless LAN module
- Flexible battery solutions: 3-cell for lightest weight or 6-cell for longer battery life
- Intel® NM10 Express chipset and Intel Atom™ processor
- 160 GB 5400 rpm hard drive
- Integrated VGA webcam

QuickSpecs

HP Mini 100e Education Edition

Standard Features (availability may vary by country)

Processors	Intel Atom N455 Processor (1.66 GHz, 512 KB L2 cache)	
	NOTE: Intel's numbering is not a measurement of higher performance. Processor speed denotes maximum performance mode; processor will run at lower speeds in battery optimization mode.	

Operating System	**Preinstalled**	Genuine Windows 7 Starter*
		Genuine Windows 7 Home Basic* (PRC only)
		Genuine Windows XP Home
		SUSE Linux Enterprise 11
	* System may require upgraded and/or separately purchased hardware and/or a DVD drive to install the Windows 7 software and take full advantage of Windows 7 functionality. See http://www.microsoft.com/windows/windows-7/ for details.	

Chipset	Intel NM10 Express Chipset

Graphics	Intel Graphics Media Accelerator HD

Display	**Internal**	10.1-inch diagonal LED-backlit WSVGA widescreen display with 1024 x 600 resolution
	External	Up to 32-bit per pixel color depth
		VGA port supports resolutions up to 1400 x 1050 at 60 Hz
		NOTE: Resolutions are dependent upon monitor capability, and resolution and color depth settings.

Memory	**Standard**	1 GB or 2 GB DDR3 SDRAM SODIMM*
		one SODIMM slot
	Maximum	Supports up to 2 GB maximum**
	* All memory modules operate at the maximum system supported speed of 667 MHz.	
	NOTE: Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility.	

Communications	Integrated Realtek Ethernet (10/100 NIC)
	Network Light on back of display indicates network connection via Ethernet or wireless LAN

Standard Features (availability may vary by country)

	All 802.11 integrated wireless LAN	Wi-Fi certified Cisco Compatible Extensions support Wired Equivalent Privacy (WEP) support up to 128-bit keys Wi-Fi Protected Access (WPA) and WPA2 support 802.1x authentication support, including EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-MSCHAPv2, and LEAP Advanced Encryption Standard (AES) support Integrated support for 802.11 b/g/n (802.11 a/b/g/n planned) Up to 54 mbps data rate WLAN antenna integrated in the display enclosure
Keyboard		Spill-resistant keyboard is 92% of full size, 101/102-key compatible with isolated inverted-T cursor control keys, both left and right control and alt keys, 12 function keys, and hotkey combinations for audio volume, power conservation, brightness, and other features. U.S. and international key layouts are available.
Pointing Device		Touchpad with scroll zone and two soft-touch buttons
Expansion Card Slots	Secure Digital slot	Supports SD (Secure Digital), and MMC (MultiMedia Card)
Internal Storage	Hard Drive	160 GB 5400 rpm SATA
		NOTE: Up to 15 GB is reserved for the system recovery software.
Interfaces	External Monitor	One - VGA
	Stereo headphone/line out	One
	Stereo microphone in	One
	Integrated mic	One
	Power Connector	One
	RJ-11/modem	One
	RJ-45/Ethernet	One
	USB 2.0	Two (one powered)
	LED Status Indicators	Seven
	WLAN Network Activity LED	One

Standard Features (availability may vary by country)

Audio/Visual	High Definition audio Mono speaker Integrated microphone Stereo headphone/line out Stereo microphone in Integrated VGA webcam

Security	**Standard Features**	Lock slot Setup password Power-on password
	For more information on HP security solutions refer to: http://www.hp.com/go/security.	

Power Supply	External 40-watt AC adapter, 3.3-foot (1 meter) power cord included.

Battery	**Primary Battery**	3-cell (28 WHr) high capacity Li-Ion
		6-cell (47 WHr) high capacity Li-Ion

Battery Life	**6-cell Primary Battery and Hard Drive**	Up to 8 hours 30 minutes
	3-cell Primary Battery and Hard Drive	Up to 4 hours 30 minutes
	NOTE: Battery life will vary depending on the product model, configuration, loaded applications, features, use, wireless functionality and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See MobileMark07 battery benchmark www.bapco.com/products/mobilemark2007 for additional details.	
System Standby Time	Up to TBD week	

Power Conservation	Standby ACPI compliance

Service and Support	HP Services includes a one-year standard parts and labor warranty, pick-up or carry-in, and toll-free 7 x 24 hardware technical phone support (depending on model). On-site service and warranty upgrades are also available (depending on model). HP Care Pack Services extend service contracts beyond the standard warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: http://www.hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at: http://www.hp.com/hps/carepack. NOTE: Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details. http://h20000.www2.hp.com/bizsupport/TechSupport/ProductRoot.jsp.

Options (availability may vary by country)

Memory	HP 1 GB (DDR3 1333 MHz) SODIMM*	AT911AA
	HP 2 GB (DDR3 1333 MHz) SODIMM*	AT912AA

* Runs at maximum system supported speed of 667 MHz

Memory

Supports 1333 MHz* DDR3 SDRAM
One DIMM slot
DIMM sizes supported: 1 GB and 2 GB

Standard Memory	1 GB (1 GB x 1) 2 GB (2 GB x 1)

Optional Memory Upgrades	Memory slot is user accessible. Please refer to the Hardware and Software Guide for installation procedures.

NOTE: Due to the non-industry standard nature of some third-party memory modules, we strongly recommend using only HP branded memory modules to ensure compatibility.

Memory Upgrades	HP 2 GB (DDR3 1333 MHz) SODIMM	AT912AA

* Runs at maximum system supported speed of 667 MHz

Storage

Internal Storage Device

Hard Drives (2.5-inch SMART SATA)	Quantity Supported	Drive Bay
160 GB 5400 rpm	One	Dedicated hard drive bay

Technical Specifications

System Unit	Dimensions (HxWxD)	With Handle	Without Handle
		1.57 x 10.87 x 9.87 in	1.57 x 10.87 x 8.11 in
		39.8 x 276 x 250.6 mm	39.8 x 276 x 206 mm
	Weight	Starting at 3.19 lb (1.45 kg) with 3-cell battery	
		Starting at 3.48 lb (1.58 kg) with 6-cell battery	

NOTE: Weight includes 1 GB memory, 160 GB hard drive. Weight varies by configuration and components.

	Stand-Alone Power Requirements	Normal Operating Voltage	19.5 V
		Average Operating Power	TBD W
		Max Operating Power	< 40 W
	Temperature	Operating	32° to 95° F (0° to 35° C)
		Non-operating	-4° to 140° F (-20° to 60° C)
	Relative Humidity	Operating	10% to 90%, non-condensing
		Non-operating	5% to 95%, 101.6° F (38.7° C) maximum wet bulb temperature
	Shock	Operating	40 G, 2 ms, half-sine
		Non-operating	200 G, 2 ms, half-sine
	Random Vibration	Operating	0.75 grms
		Non-operating	1.50 grms
	Altitude (unpressurized)	Operating	-50 to 10,000 ft (-15.24 to 3,048 m)
		Non-operating	-50 to 40,000 ft (-15.24 to 12,192 m)
	Industry Standard Certifications	UL	Yes
		CSA	Yes
		FCC Compliance	Yes
		ENERGY STAR®	Select configurations*
		EPEAT	Silver**
		ICES	Yes
		Australia / NZ C-Tick Compliance	Yes
		CCC	Yes
		Japan VCCI Compliance	Yes
		MIC / KCC	Yes
		BSMI	Yes
		CE Marking Compliance	Yes
		BNCI or BELUS	Yes
		CIT	Yes
		GOST	Yes
		Saudi Arabian Compliance (ICCP)	Yes
		SABS	Yes
		UKRSERTCOMPUTER	Yes

Technical Specifications

* Requires Microsoft Windows operating system

** EPEAT registration varies by country. See www.epeat.net for registration status by country. EPEAT status listed above applies to U.S.

Environmental Data	Eco-Label Certifications	This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:

- US Energy Star
- IT ECO declaration
- EPEAT - Silver where HP registers commercial notebook products. See http://www.epeat.net for registration status in your country.

System Configuration The configuration used for the Energy Consumption and Declared Noise Emissions data for the Convertible Mini tower Desktop model is based on a "Typically Configured Notebook"

Energy Consumption	115 VAC	230 VAC	100 VAC
Normal Operation	7.5682 W	7.5968 W	7.5729 W
Sleep (Energy Star low power mode)	0.6085 W	0.6338 W	0.6072 W
Off	0.4688 W	0.4966 W	0.473 W

Heat Dissipation*	115 VAC	230 VAC	100 VAC
Normal Operation	26 BTU/hr	26 BTU/hr	26 BTU/hr
Sleep	2 BTU/hr	3 BTU/hr	2 BTU/hr
Off	2 BTU/hr	2 BTU/hr	2 BTU/hr

* Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.

Declared Noise Emissions (in accordance with ISO 7779 and ISO 9296)

System Fan Off	Sound Power (LWAd, bels)	Sound Pressure (LpAm, decibels)
Idle	2.3	13
Fixed Disk (random writes)	3.3	26

System fan is usually off except when charging the battery

Batteries This battery(s) in this product comply with EU Directive 2006/66/EC

Batteries used in the product do not contain:

- Mercury greater the 5ppm by weight
- Cadmium greater than 10ppm by weight

The battery type and chemistry used in the product is:
CR2032 (coin cell), Li-ion
6-cell high capacity Lithium-Ion battery (optional 8 cell available)

Technical Specifications

Additional information	This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2002/95/EC.

This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive - 2002/96/EC.

This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).

This product is in compliance with the IEEE 1680 (EPEAT) standard at the Silver level, see www.epeat.net

Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.

This product contains 0% post consumer recycled plastic (by wt.)

This product is greater than 95% recycle-able when properly disposed of at end of life.

Packaging Materials

- External:
    - Corrugated 564 g
- Internal:
    - Polyethylene low density 26 g
    - Molded Pulp 70 g
- The Corrugated packaging material is made from 80% recycled content.
- The Molded Pulp packaging material is made from 80% recycled content.
- The Polyethylene low density packaging material is made from 80% recycled content.

HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

Material Usage	This product does not contain any of the following substances in excess of regulatory limits (for reference of these limits please refer to the HP General

Technical Specifications

Specification of the Environment
(http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/
gen_specifications.html):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants - may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) - except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)
- Nickel finishes that release greater than 0.5 μgrams/cm2/week, measured according to EN 1811:1998, are not used on any product surface designed to be frequently handled or touched by users.

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

Hewlett-Packard Corporate Environmental Information

For more information about HP's commitment to the environment:
Global Citizenship Report
http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html
Environment website
http://www.hp.com/environment
Eco-label certifications
http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/
ecolabels.html
ISO 14001 certificates:
http://www.hp.com/hpinfo/globalcitizenship/environment/operations/

envmanagement.html